Index of Claims



Application/Control No.

10/534,646 Examiner

Reexamination TISCHLER, KARL M

Applicant(s)/Patent under

Art Unit

Minh H. Chau

2854

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

**Appeal** Α

Interference

0 Objected

|                                                                                |                                                                                                                      | Ц.,      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |              | J              |          |                                                  | Щ.           |
|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------------|----------------|----------|--------------------------------------------------|--------------|
| CI                                                                             | Date                                                                                                                 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |              |                |          |                                                  |              |
|                                                                                | -                                                                                                                    | Т        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | Dai      | e<br>T       | _              | _        |                                                  |              |
| _                                                                              | Original                                                                                                             | 7        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |              |                |          |                                                  | Ш            |
| Final                                                                          | l ·g                                                                                                                 | 1,0      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |              |                |          |                                                  | H            |
| I III                                                                          | 5                                                                                                                    | 10/1/01  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |              |                | 1        |                                                  | ΙI           |
| <u></u>                                                                        | <u> </u>                                                                                                             | Ļ        | ㄴ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u> | <u> </u> | ↓_           | ╙              | <u> </u> | ╙                                                | Ш            |
|                                                                                | 1                                                                                                                    | ┖        | ╙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _        | <u> </u> | _            | ╙              |          | ┖                                                | Ш            |
|                                                                                | 1 3                                                                                                                  | ╙        | ╙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ╙        | L        | <u> </u>     | ╙              | _        | _                                                | Ш            |
|                                                                                | 13                                                                                                                   | _        | ╙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ļ        | <u> </u> | _            | 丄              | ╙        |                                                  | Ш            |
|                                                                                | 14                                                                                                                   | _        | ┖                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ┖        | ┖        |              | <u> </u>       | <u> </u> | <u> </u>                                         | Ш            |
|                                                                                | 5                                                                                                                    | _        | 乚                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 乚        | Щ        | 丄            | 乚              | 丄        | L                                                | Ш            |
|                                                                                | 6                                                                                                                    | L        | 乚                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | ᆫ        | 上            | ╙              | 丄        |                                                  | Ш            |
| <u></u>                                                                        | 11                                                                                                                   | <u> </u> | ╙                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ┖        | <u> </u> | _            | L              | ┖        | ┖                                                | Ш            |
|                                                                                | 8                                                                                                                    |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | L        | L            | L              | 丄        | _                                                | Ш            |
|                                                                                | 9                                                                                                                    |          | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          | _            | L              | 上        | _                                                | LJ           |
|                                                                                | <u> 1</u> 1 <u>1</u> <u>1</u>                                                                                        | <u> </u> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u> |          | L            | <u> </u>       |          | L                                                |              |
|                                                                                | 11                                                                                                                   | _        | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 丄        | _        | <del> </del> | <u> </u>       | $\perp$  | <u> </u>                                         | Ш            |
|                                                                                | 12                                                                                                                   |          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <u> </u> | L.,      | _            | _              | $\perp$  | 匚                                                | Ш            |
|                                                                                | 1 <u>B</u>                                                                                                           | <u>_</u> | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | L.       | L            |                |          |                                                  |              |
| L                                                                              | 1#                                                                                                                   | L        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          | <u> </u>     | <u> </u>       |          |                                                  | igsqcup      |
| <u></u>                                                                        | 15                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | oxdot    |          | <u></u>      |                | oxdot    | L                                                |              |
| <u> </u>                                                                       | 1<br>3<br>4<br>5<br>6<br>7<br>10<br>11<br>11<br>12<br>13<br>14<br>15<br>15<br>17<br>18<br>19<br>20<br>21<br>22<br>23 |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          | L            | $\Box$         | oxdot    | $\Box$                                           |              |
| <u></u>                                                                        | 17                                                                                                                   |          | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          |              | <u> </u>       |          |                                                  |              |
| L                                                                              | 1B                                                                                                                   |          | L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          |              |                |          |                                                  |              |
|                                                                                | 19                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          |              | L              |          |                                                  |              |
|                                                                                | 2D                                                                                                                   | L        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        |          | <u></u>      |                |          |                                                  |              |
| <u></u>                                                                        | 21                                                                                                                   |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L        | <u>_</u> |              |                |          |                                                  |              |
|                                                                                | 202                                                                                                                  | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | L        |          | ┖            | <u> </u>       |          | L                                                | Ш            |
| $\odot$                                                                        | (23)                                                                                                                 | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | <u> </u> |              | 乚              | _        |                                                  | Ш            |
| 2                                                                              | 24                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _        | L        | L            |                | 辶        | L.                                               | Ш            |
| 10                                                                             | 25                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | L        | L        | _            | <u> </u>       | L        | L                                                | Ш            |
| 3                                                                              | 26                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | <u> </u> | <u> </u>     | L              | L        | _                                                | Ш            |
| 4                                                                              | 27                                                                                                                   | n n      | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | _        | ļ        | ╙            | ļ.,            | _        | L                                                | Ш            |
| 5                                                                              | 28                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u> | _        |              | L              | L        |                                                  | Ш            |
| <u>-</u>                                                                       | 29                                                                                                                   | 11       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u> </u> |          | L.,          | <u> </u>       | _        | lacksquare                                       | Ш            |
| ١                                                                              | 30                                                                                                                   | =        | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |          | ╙            | <u> </u>       | _        | <u> </u>                                         | Ш            |
| 2<br>10<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>11<br>12<br>13<br>14<br>15<br>16 | 24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35                                                 | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ | <u> </u> | <b>-</b>     | <del> </del> — | $\vdash$ | <del>                                     </del> | $\vdash$     |
| 14                                                                             | 32                                                                                                                   | 릐        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b> </b> | <u> </u> | $\vdash$     | <del> </del>   | <u> </u> | $\vdash$                                         | Ы            |
| 17                                                                             | 33                                                                                                                   | ᄪᅴ       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u> |          | <u> </u>     | <del> </del>   | -        | $\vdash$                                         | Ш            |
| 12                                                                             | 34                                                                                                                   | 틧        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Н        |          | ├            | <u> </u>       | ├        | <u> </u>                                         | Н            |
| 13                                                                             | 36                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ | <u> </u> | $\vdash$     | ├—             | ├        | $\vdash$                                         | $\vdash$     |
| 15                                                                             | 30                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ | -        | <del> </del> | ├-             | ⊢        | $\vdash$                                         | $\dashv$     |
| 16                                                                             | 37<br>38                                                                                                             | 크        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          | $\vdash$     |                | $\vdash$ | Н                                                | $\vdash$     |
| 17                                                                             | 39                                                                                                                   | =        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$ |          | $\vdash$     | <u> </u>       | $\vdash$ | Н                                                | $\mathbf{H}$ |
| 19                                                                             | 40                                                                                                                   | =        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Н        |          | $\vdash$     | <u> </u>       | ├        | Н                                                | $\dashv$     |
| 18<br>(19)                                                                     | 40<br>(41)                                                                                                           | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | $\vdash$ | $\vdash$     |                | $\vdash$ | $\vdash$                                         | $\dashv$     |
| CO CO                                                                          | 42)                                                                                                                  | -        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H        |          | -            | $\vdash$       | $\vdash$ | $\vdash$                                         | $\dashv$     |
| العجا                                                                          | 43                                                                                                                   | _        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | -        |              |                |          | $\vdash$                                         | $\dashv$     |
|                                                                                | 44                                                                                                                   |          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\dashv$ | -        |              | $\vdash$       | $\vdash$ | -                                                | $\dashv$     |
|                                                                                | 45                                                                                                                   | -        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\dashv$ |          | $\vdash$     |                | $\vdash$ |                                                  | $\dashv$     |
|                                                                                | 46                                                                                                                   | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |          | $\vdash$     |                | $\vdash$ | $\vdash$                                         | $\dashv$     |
| $\vdash \vdash$                                                                | 47                                                                                                                   | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          | $\dashv$ | Н            | _              | $\vdash$ |                                                  | $\dashv$     |
|                                                                                | 48                                                                                                                   | $\dashv$ | $\neg$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |          | $\dashv$ | Н            | -              | $\vdash$ | $\dashv$                                         | $\dashv$     |
|                                                                                | 49                                                                                                                   | $\dashv$ | $\dashv$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -        | $\dashv$ | $\vdash$     | -              | $\vdash$ | $\dashv$                                         | $\dashv$     |
|                                                                                | 50                                                                                                                   | 寸        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\dashv$ | -        | -            | $\dashv$       | $\dashv$ |                                                  | $\dashv$     |
|                                                                                |                                                                                                                      | 1        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |          | -            |                |          |                                                  |              |

| Cla                                              |          | Date     |           |              |          |                                                  |                                     |              |          |                       |  |
|--------------------------------------------------|----------|----------|-----------|--------------|----------|--------------------------------------------------|-------------------------------------|--------------|----------|-----------------------|--|
|                                                  |          |          |           | Γ            | T        | T                                                | Т                                   | П            | T        | Т                     |  |
| Final                                            | Original |          |           |              |          |                                                  |                                     |              |          |                       |  |
|                                                  | 51       |          |           |              |          |                                                  |                                     |              | L        |                       |  |
|                                                  | 52       |          |           |              |          |                                                  | 丄                                   |              |          |                       |  |
|                                                  | 52<br>53 |          |           | Π            |          |                                                  |                                     |              | Γ        | 1                     |  |
|                                                  | 54       | Γ        |           | Т            | П        |                                                  |                                     | П            | T        | П                     |  |
|                                                  | 55       |          |           | Г            |          |                                                  | П                                   |              |          |                       |  |
|                                                  | 56       |          |           |              | Τ        | 1                                                | T                                   |              |          |                       |  |
|                                                  | 57       |          |           |              | 1        | $\top$                                           | T                                   | T            | T        |                       |  |
|                                                  | 58       | Τ        | $\vdash$  | T            |          | $\top$                                           | 1                                   | İΤ           | T        | T                     |  |
|                                                  | 59       | Г        | _         | T            | t        | t                                                |                                     | 1            | 1        |                       |  |
|                                                  | 60       | <u> </u> | Т         |              | T        | <del>                                     </del> | $\vdash$                            | T            |          | 1                     |  |
|                                                  | 61       | 1        | Т         | Т            | T        | <del>                                     </del> | T                                   | T            | t        | $\vdash$              |  |
|                                                  | 62       |          | Г         | T            | t        | 1                                                | ⇈                                   | $\vdash$     | T        | +                     |  |
|                                                  | 63       |          |           | T            | T        |                                                  | $\vdash$                            | T            | $\vdash$ | 1                     |  |
|                                                  | 64       |          |           |              |          | 1                                                |                                     | T            |          | 1                     |  |
|                                                  | 65       |          | Г         | Т            |          |                                                  | T                                   | T            | 1        | 1                     |  |
|                                                  | 66       |          |           | T            | 1        |                                                  | Т                                   | Τ            | 1        |                       |  |
|                                                  | 67       |          |           |              |          |                                                  | T                                   | 1-           | $\vdash$ | T                     |  |
|                                                  | 68       |          |           |              | Т        |                                                  | $\vdash$                            | 1            | Т        |                       |  |
|                                                  | 69       |          |           |              |          |                                                  |                                     | T            | 1        | T                     |  |
|                                                  | 70       | П        |           | Г            |          | Π                                                |                                     |              | <b> </b> |                       |  |
|                                                  | 71       |          |           | Ι_           |          |                                                  | П                                   |              |          | Г                     |  |
|                                                  | 72<br>73 |          |           |              |          |                                                  |                                     |              |          |                       |  |
|                                                  | 73       |          |           |              |          |                                                  |                                     |              |          |                       |  |
|                                                  | 74       |          |           |              |          |                                                  |                                     |              |          |                       |  |
|                                                  | 75       |          |           |              |          | L                                                |                                     |              |          |                       |  |
| <u> </u>                                         | 76       |          |           |              | ┕        | <u> </u>                                         |                                     | <u> </u>     | L        | L                     |  |
|                                                  | 77       |          |           | $oxed{oxed}$ | _        | ╙                                                | ┖                                   | L            | <u> </u> | Ш                     |  |
| <u> </u>                                         | 78       |          |           | _            |          | Ь.                                               |                                     | 丄            |          | <u> </u>              |  |
| <u> </u>                                         | 79       |          | L.        | <u> </u>     | <u> </u> |                                                  |                                     | 辶            | 匚        | L                     |  |
| <u> </u>                                         | 80       | Ш        |           | Ļ.,          | <u> </u> | $oxed{igspace}$                                  | ╙                                   | <u> </u>     | <u> </u> |                       |  |
|                                                  | 81       |          |           | <u> </u>     | ╙        | igspace                                          | L                                   | _            |          | L                     |  |
| <u> </u>                                         | 82       | Щ        |           |              | L        | <u> </u>                                         | ᆫ                                   | L            | L        |                       |  |
| _                                                | 83       | Ш        |           | <u> </u>     | <u> </u> | ∟                                                | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L            | <u> </u> | Щ                     |  |
| <u> </u>                                         | 84       | Щ        |           | ⊢-           | <u> </u> | ⊢                                                | <u> </u>                            | <b>L</b>     | Ŀ        | Щ                     |  |
| <u> </u>                                         | 85       |          |           | <u> </u>     | $\vdash$ | <u> </u>                                         | $\vdash$                            | <u> </u>     | $\vdash$ | <u> </u>              |  |
| <u> </u>                                         | 86       |          | _         | <u> </u>     | ⊢        | <b> </b>                                         | <u> </u>                            | _            | ⊢        | Ш                     |  |
| $\vdash$                                         | 87       | <u> </u> |           | ├            | $\vdash$ | ــــ                                             | <u> </u>                            | $\vdash$     | ⊢        | $\vdash \vdash$       |  |
| $\vdash$                                         | 88       | -        |           | <del> </del> | ├-       |                                                  | <u> </u>                            | -            | <u> </u> | Н                     |  |
| $\vdash$                                         | 89<br>90 | $\dashv$ | _         |              | $\vdash$ | $\vdash$                                         | $\vdash$                            | <del> </del> | $\vdash$ | Н                     |  |
| $\vdash$                                         | 91       | $\dashv$ |           | Η.           | $\vdash$ |                                                  | <u> </u>                            | $\vdash$     | $\vdash$ | Н                     |  |
|                                                  | 92       |          | _         | $\vdash$     | ⊢        | $\vdash$                                         | _                                   | $\vdash$     |          | Н                     |  |
| $\vdash$                                         | 93       | $\dashv$ |           | $\vdash$     | $\vdash$ | $\vdash$                                         | -                                   | $\vdash$     | -        | Н                     |  |
| $\vdash$                                         | 94       |          | _         | $\vdash$     | _        | <del>                                     </del> | _                                   | $\vdash$     | -        | Н                     |  |
| -                                                | 95       | $\dashv$ |           |              | -        | Н                                                | <u> </u>                            | $\vdash$     | $\vdash$ | $\dashv$              |  |
| $\vdash$                                         | 96       | _        | _         | -            |          | Н                                                | -                                   | $\vdash$     | $\vdash$ | $\vdash$              |  |
|                                                  | 97       | $\dashv$ |           | $\neg$       |          | $\vdash$                                         |                                     |              |          | $\dashv$              |  |
| <del>                                     </del> | 98       | $\neg$   | $\exists$ | $\vdash$     |          | $\vdash$                                         |                                     | Н            | —        | Н                     |  |
| 1 1                                              |          |          | _         | -            |          | $\vdash$                                         | _                                   |              | _        | $\boldsymbol{\dashv}$ |  |
|                                                  | 99       | - 1      | 1         |              |          |                                                  |                                     |              |          | I                     |  |

| Claim |                                                                                         | Date     |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|-------|-----------------------------------------------------------------------------------------|----------|--------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------|--------------------------------------------------|--|
| 1     |                                                                                         |          | Г            | Π                                                | T                                                | T                                                | Ť                                                | Г                                                | П        | П                                                |  |
| ā     | Original                                                                                |          |              |                                                  |                                                  |                                                  | İ                                                | 1                                                |          |                                                  |  |
| Final | Ē                                                                                       |          |              |                                                  | ļ                                                |                                                  |                                                  |                                                  |          | 1                                                |  |
| _     |                                                                                         |          |              | l                                                | 1                                                |                                                  |                                                  |                                                  | ľ        |                                                  |  |
|       | 101                                                                                     |          | $\vdash$     | $\vdash$                                         | +                                                | -                                                | ╁                                                | t                                                | $\vdash$ | <del> </del>                                     |  |
|       | 101<br>102<br>103                                                                       | 1        | $\vdash$     | t                                                | ╈                                                | -                                                | ╁╌                                               | ╁                                                | $\vdash$ | <del>                                     </del> |  |
|       | 103                                                                                     | $\vdash$ | $\vdash$     | ╁                                                | ╁                                                | ╁                                                | ╁                                                | ┢                                                | +-       | ╁                                                |  |
|       | 104                                                                                     |          | <del>-</del> | H                                                | +-                                               | ╁                                                | ╁                                                | ┢                                                | ┢╌       | ├-                                               |  |
|       | 105                                                                                     | $\vdash$ | <del>-</del> | ⊢                                                | ╁                                                | ╁╾                                               | ╁                                                | ┢                                                | ╁        | <del> </del>                                     |  |
|       | 104<br>105<br>106                                                                       | $\vdash$ |              | ╁                                                | ╁                                                | $\vdash$                                         | ╁┈                                               | ╁─                                               | -        | $\vdash$                                         |  |
|       | 107                                                                                     | -        | -            | $\vdash$                                         | $\vdash$                                         | ╆╌                                               | ┢                                                |                                                  | ┢        | ┢╌                                               |  |
|       | 107<br>108                                                                              | -        |              | H                                                | t                                                | $\vdash$                                         | ╁┈                                               | H                                                | ┢        | ┢                                                |  |
|       | 109                                                                                     |          |              | ╁                                                | t                                                | $\vdash$                                         | +                                                | <del>  -</del>                                   | ╁        | $\vdash$                                         |  |
|       | 110                                                                                     | $\vdash$ |              | H                                                | +                                                | ┼─                                               | $\vdash$                                         | H                                                | ╁        | 1                                                |  |
|       | 111                                                                                     |          | _            | t                                                | ✝                                                | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | ┢┈       | H                                                |  |
|       | 109<br>110<br>111<br>112                                                                | Н        | _            | $\vdash$                                         | $t^-$                                            | $\vdash$                                         | t                                                | $\vdash$                                         | 1-       | H                                                |  |
|       | 113                                                                                     | Н        |              | <del>                                     </del> | 1                                                |                                                  | <del>                                     </del> | <del>                                     </del> | Н        | H                                                |  |
|       | 113<br>114<br>115                                                                       | Н        |              | 1                                                | T                                                | T                                                | 1                                                |                                                  |          | Н                                                |  |
|       | 115                                                                                     | $\vdash$ |              | $\vdash$                                         | T                                                | t                                                | $\vdash$                                         | 1                                                | $\vdash$ | Н                                                |  |
|       | 116                                                                                     | $\vdash$ |              | $\vdash$                                         | t                                                | Τ-                                               | $\vdash$                                         | $\vdash$                                         | <u> </u> | $\vdash$                                         |  |
|       | 117                                                                                     |          | _            | Г                                                | T                                                | 1                                                | $\vdash$                                         | $\vdash$                                         | 1        | Н                                                |  |
|       | 116<br>117<br>118                                                                       | Н        |              | Т                                                | 1                                                |                                                  | T                                                | <del>  -</del>                                   | Н        | Н                                                |  |
|       | 119                                                                                     |          |              |                                                  |                                                  | <del>  -</del>                                   | $\vdash$                                         | $\vdash$                                         | _        | Н                                                |  |
|       | 120                                                                                     |          |              |                                                  | $\vdash$                                         | <del>  -</del>                                   | ┪                                                | $\vdash$                                         | ┢        | $\vdash$                                         |  |
|       | 121                                                                                     |          |              | -                                                | <del> </del>                                     | H                                                | ╁                                                | <del>                                     </del> |          |                                                  |  |
|       | 122                                                                                     |          |              |                                                  | H                                                | ┢                                                | $\vdash$                                         |                                                  | _        | Н                                                |  |
|       | 123                                                                                     |          |              |                                                  | ╈                                                | <del> </del>                                     | H                                                | $\vdash$                                         | -        | Н                                                |  |
|       | 124                                                                                     |          |              | H                                                | <del>                                     </del> | $\vdash$                                         | H                                                |                                                  | $\vdash$ | Н                                                |  |
|       | 125                                                                                     | $\dashv$ |              | $\vdash$                                         | H                                                | <del> </del>                                     | $\vdash$                                         | H                                                | -        | H                                                |  |
|       | 126                                                                                     |          |              | $\vdash$                                         | T                                                | <del>                                     </del> | $\vdash$                                         | $\vdash$                                         | -        | Н                                                |  |
|       | 127                                                                                     |          |              |                                                  | <del>                                     </del> |                                                  | Г                                                | _                                                |          | Н                                                |  |
|       | 128                                                                                     |          |              |                                                  | 1                                                | $\vdash$                                         | _                                                | $\vdash$                                         | $\vdash$ | Н                                                |  |
|       | 129                                                                                     |          |              |                                                  | Т                                                |                                                  | T                                                |                                                  |          | П                                                |  |
|       | 130                                                                                     | $\neg$   |              |                                                  | t                                                | Γ.                                               |                                                  |                                                  |          | Н                                                |  |
|       | 131                                                                                     |          |              |                                                  |                                                  |                                                  | <u> </u>                                         | _                                                |          | Н                                                |  |
|       | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 |          |              |                                                  | T                                                |                                                  | 1                                                | Т                                                |          | П                                                |  |
|       | 133                                                                                     |          |              | _                                                |                                                  | Т                                                | ऻ                                                |                                                  |          | H                                                |  |
|       | 134                                                                                     | $\neg$   |              | _                                                | $\vdash$                                         | Т                                                |                                                  |                                                  |          | Н                                                |  |
|       | 133<br>134<br>135                                                                       | $\neg$   | _            |                                                  | 1                                                |                                                  | Г                                                |                                                  |          | Н                                                |  |
|       | 136<br>137<br>138<br>139                                                                |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          | П                                                |  |
|       | 137                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          | П                                                |  |
|       | 138                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 139                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 140                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 141                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 142                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 143                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 144                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          |                                                  |  |
|       | 145                                                                                     | 丁        |              |                                                  |                                                  |                                                  |                                                  |                                                  |          | $\Box$                                           |  |
|       | 146                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  | $\neg$                                           |          |                                                  |  |
|       | 147                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          | $\neg$                                           |  |
|       | 148                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  | 一        | $\neg$                                           |  |
|       | 149                                                                                     |          |              |                                                  |                                                  |                                                  |                                                  |                                                  | $\neg$   | $\neg$                                           |  |
|       | 150                                                                                     | J        |              |                                                  |                                                  |                                                  | $\neg$                                           | 一                                                |          | $\neg$                                           |  |
|       |                                                                                         |          |              |                                                  |                                                  |                                                  |                                                  |                                                  |          | _                                                |  |